

METHOD OF OPTIMIZING EQUIPMENT UTILIZATION IN
TELECOMMUNICATION ACCESS NETWORK

ABSTRACT OF THE INVENTION

5 A method of optimizing access network utilization is provided. The access
network includes a plurality of integrated access devices coupled to a segment and
reassembly device, where each segment and reassembly device has a plurality of
channels, X. The method includes the steps of providing a plurality of subscriber
lines, Σm_i , coupled to the integrated access devices, providing a plurality of integrated
access device lines, Σn_i , between the integrated access devices and the segment and
reassembly device, multiplexing the plurality of subscriber lines by the integrated
access device onto the plurality of integrated access device lines, such that $\Sigma m_i > \Sigma n_i$
10 = X, and providing a reorder tone to any subscriber whose call is blocked.